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AMENDMENTS TO THE CLAIMS

1. (Original) A 2-mercapto-substituted triazolopyrimidine of the formula I

$$\begin{array}{c|c} R^1 & R^2 \\ N & N & X \end{array}$$

in which the substituents are as defined below:

L independently of one another are halogen, cyano, nitro, C_1 - C_6 -alkyl, C_2 - C_{10} -alkenyl, C_2 - C_{10} -alkynyl, C_1 - C_6 -haloalkyl, C_2 - C_{10} -haloalkenyl, C_1 - C_6 -alkoxy, C_2 - C_{10} -alkenyloxy, C_2 - C_{10} -alkynyloxy, C_1 - C_6 -haloalkoxy or -C(=O)-A;

A is hydrogen, hydroxyl, C₁-C₈-alkyl, C₂-C₈-alkenyl, C₁-C₈-alkoxy, C₁-C₆-haloalkoxy, C₁-C₈-alkylamino or di-(C₁-C₈-alkyl)amino;

m is 0, 1, 2, 3, 4 or 5;

X is halogen, cyano, C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-alkoxy or C₁-C₂-haloalkoxy; R¹,R² independently of one another are hydrogen, C₁-C₈-alkyl, C₁-C₈-haloalkyl, C₃-C₆-cycloalkyl, C₃-C₆-halocycloalkyl, C₂-C₈-alkenyl, C₄-C₁₀-alkadienyl, C₂-C₈-haloalkenyl, C₃-C₆-cycloalkenyl, C₂-C₈-alkynyl, C₂-C₈-haloalkynyl or C₃-C₆-cycloalkynyl, phenyl, naphthyl or a five- to ten-membered saturated, partially unsaturated or aromatic heterocycle which contains one to four hetero atoms from the group consisting of O, N and S,

R¹ and R² together with the nitrogen atom to which they are attached may also form a fiveor six-membered ring which may be interrupted by one atom from the group consisting of O, N and S and/or may carry one or more substituents from the group consisting of

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halogen, C_1 - C_6 -alkyl, C_1 - C_6 -haloalkyl and oxy- C_1 - C_3 -alkyleneoxy or in which a nitrogen atom and an adjacent carbon atom may be linked by a C_1 - C_4 -alkylene chain; where R^1 and/or R^2 may be substituted by one to four identical or different groups R^a :

R^a is halogen, cyano, nitro, hydroxyl, C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-alkylcarbonyl, C₃-C₆-cycloalkyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, C₁-C₆-alkoxycarbonyl, C₁-C₆-alkylthio, C₁-C₆-alkylamino, di-C₁-C₆-alkylamino, C₂-C₆-alkenyloxy, C₃-C₆-alkynyloxy, C₃-C₆-cycloalkyl, phenyl, naphthyl, a five- to ten-membered saturated, partially unsaturated or aromatic heterocycle which contains one to four hetero atoms from the group consisting of O, N and S, where these aliphatic, alicyclic or aromatic groups for their part may be partially or fully halogenated or may carry one to three groups R^b:

R^b is halogen, cyano, nitro, hydroxyl, mercapto, amino, carboxyl, aminocarbonyl, aminothiocarbonyl, alkyl, haloalkyl, alkenyl, alkenyloxy, alkynyloxy, alkoxy, haloalkoxy, alkylthio, alkylamino, dialkylamino, formyl, alkylcarbonyl, alkylsulfonyl, alkylsulfoxyl, alkoxycarbonyl, alkylcarbonyloxy, alkylaminocarbonyl, dialkylaminocarbonyl, alkylaminothiocarbonyl, dialkylaminothiocarbonyl, where the alkyl groups in these radicals contain 1 to 6 carbon atoms and the alkenyl or alkynyl groups in these radicals contain 2 to 8 carbon atoms;

and/or one to three of the following radicals:

cycloalkyl, cycloalkoxy, heterocyclyl, heterocyclyloxy, where the cyclic systems contain 3 to 10 ring members; aryl, aryloxy, arylthio, aryl-C₁-C₆-

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alkoxy, aryl-C₁-C₆-alkyl, hetaryl, hetaryloxy, hetarylthio, where the alkyl radicals preferably contain 6 to 10 ring members and the hetaryl radicals 5 or 6 ring members, where the cyclic systems may be partially or fully halogenated or substituted by alkyl or haloalkyl groups,

or a salt thereof.

- 2. (Original) A compound of the formula I as claimed in claim 1 in which X is halogen.
- 3. (Original) A compound of the formula I as claimed in claim 1 or 2 in which R^1 and R^2 are as defined below:
 - R^1 is C_1 - C_6 -alkyl, C_1 - C_8 -haloalkyl, C_3 - C_6 -cycloalkyl, C_3 - C_6 -halocycloalkyl, C_2 - C_8 -alkenyl, C_2 - C_8 -haloalkenyl, C_2 - C_8 -alkynyl; and
 - R² is hydrogen or C₁-C₄-alkyl; or

 R^1 and R^2 together with the nitrogen atom to which they are attached may also form a fiveor six-membered saturated or unsaturated ring which may carry one or two substituents from the group consisting of halogen, C_1 - C_6 -alkyl and C_1 - C_6 -haloalkyl.

4. (Currently Amended) A compound of the formula I as claimed in any of claims 1 to 3 claim 1 in which the phenyl group substituted by L_m is the group A

$$L^{5}$$

$$+$$

$$L^{2}$$

$$L^{3}$$

$$L^{2}$$

in which # is the point of attachment to the triazolopyrimidine skeleton and

L¹ is fluorine, chlorine, CH₃ or CF₃;

L²,L⁴ independently of one another are hydrogen or fluorine;

L³ is hydrogen, fluorine, chlorine, cyano, CH₃ or COOCH₃; and

L⁵ is hydrogen, fluorine or CH₃.

5. (Original) A process for preparing the compounds of the formula I as claimed in claim 1 by reacting sulfoxides of the formula II

in which the variables are as defined for formula I and R is a C_1 - C_4 -alkyl group or a benzyl group which is unsubstituted or substituted by one or more groups R^6 with trifluoroacetic anhydride.

6. (Original) A process for preparing the compounds of the formula I as claimed in claim 1 by reacting sulfones of the formula III

$$R^3-SO_2$$
 N
 N
 N
 X

in which the variables are as defined in formula I

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with alkali metal thiolates or with sulfides M₂S, where M is a cation from the group of the alkali metals or an ammonium group.

7. (Original) A process for preparing the compounds of formula I as claimed in claim 1 by reacting triazolopyrimidines of the formula IV

in which R^3 is a benzyl group which is unsubstituted or substituted by one or more groups R^{b}

with Lewis acids or under basic conditions in an inert solvent or diluent.

- 8. (Original) A process for preparing the compounds of the formula I as claimed in claim 1 by reacting triazolopyrimidines of the formula IV as set forth in claim 7 with sodium in liquid ammonia.
- 9. (Original) A composition suitable for controlling harmful fungi which composition comprises a solid or liquid carrier and a compound of the formula I as claimed in claim 1.
- 10. (Original) A method for controlling phytopathogenic harmful fungi which comprises treating the fungi or the materials, plants, the soil or seeds to be protected against fungal attack with an effective amount of a compound of the formula I as claimed in claim 1.